

Title (en)
Disk drive device

Title (de)
Plattenlaufwerk

Title (fr)
Appareil à disque

Publication
EP 1560213 A3 20071205 (EN)

Application
EP 04106578 A 20041214

Priority
JP 2004008249 A 20040115

Abstract (en)
[origin: EP1560213A2] Provided is a disk drive device equipped with a disk transfer mechanism for loading a disk into and out of a play position that would not increase the complexity of the overall structure and the size of the housing. The device comprises a tray (4) for supporting a disk within the housing, a first and a second transfer roller (24, 25) carried by arms (22, 23), that are resiliently urged against the peripheral edge of the disk, and spaced from each other along a side of the tray to apply a rotational force to a side peripheral edge of the disk, and fixed guide members (9, 10) for supporting the other side peripheral edge of the disk that is inserted from the slot.

IPC 8 full level
G11B 17/04 (2006.01); **G11B 17/051** (2006.01); **G11B 17/26** (2006.01)

CPC (source: EP KR US)
G11B 17/04 (2013.01 - KR); **G11B 17/051** (2013.01 - EP US)

Citation (search report)

- [XY] US 2001043553 A1 20011122 - HAUPT MARTIN [AT], et al
- [Y] US 2002009021 A1 20020124 - ISHIBASHI TAKAYUKI [JP]
- [X] US 4682320 A 19870721 - D ALAYER DE COSTEMORE D ARC ST [BE]
- [X] US 2003112716 A1 20030619 - OTSUKI AKIRA [JP], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
EP 1560213 A2 20050803; EP 1560213 A3 20071205; CN 100437795 C 20081126; CN 1641779 A 20050720; JP 2005203033 A 20050728; KR 100846001 B1 20080711; KR 20050075295 A 20050720; US 2005160439 A1 20050721; US 7266828 B2 20070904

DOCDB simple family (application)
EP 04106578 A 20041214; CN 200510002162 A 20050114; JP 2004008249 A 20040115; KR 20050003330 A 20050113; US 90534904 A 20041229